

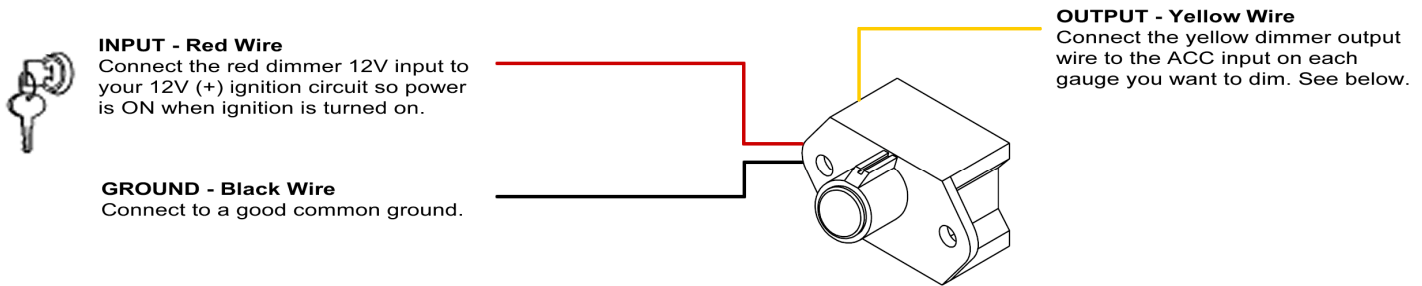
## Application

This compact dimmer module is designed to allow for isolated dimming for Marshall stepper motor gauges separate from your vehicle's OEM dash. This dimmer module will dim up to 7 Marshall gauges. **NOTE: The dimmer module has an internal fuse. If the fuse blows, all you need to do is turn the power off for 30 seconds and the fuse will reset.**

## Before You Start

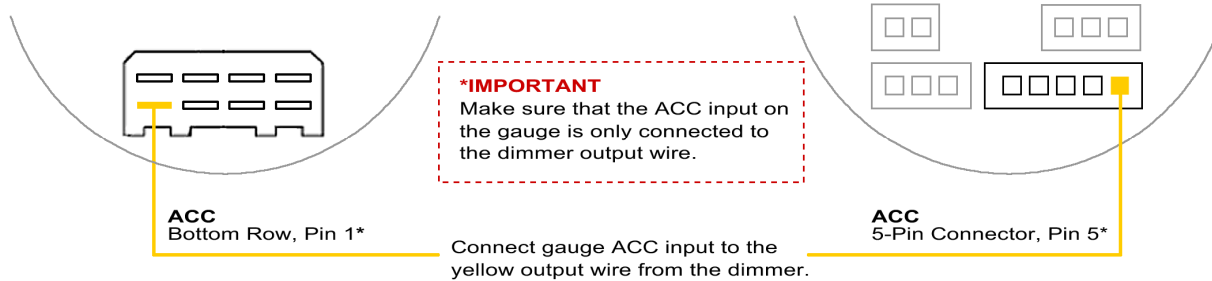
- ALWAYS WEAR SAFETY GLASSES.
- Turn ignition off and disconnect negative (-) battery cable before installing.
- Make sure all necessary tools, materials, and parts are on hand.
- Check behind the mounting location for any wiring or components before drilling.

**Fig 1. Wiring Diagram**



### 3-3/8" Speedometer & Tachometer

### 2-1/16" Stepper Motor Gauge



**Table**

## 1. Wiring Summary

Wire Color/Description	Purpose	Notes
RED	Input	Connect the dimmer input wire to a 12V+ Ignition (ACC).
BLACK	Ground	Connect to a good common Ground.
YELLOW	Output	Connect dimmer output to the 12V+ ACC Connection on each gauge you want to dim.

## Dimmer Installation

- Remove knob, nut and flat washer from dimmer.
- Locate and drill a 1/4" hole in your panel. Remove any sharp edges.
- If desired, place decal centered on hole
- Install dimmer, flat washer, and nut. Use caution not to scratch decal when tightening nut!
- Turn the dimmer all the way to the left (counter clockwise)
- Position the knob so that the knob is pointing to the OFF position and tighten
- Connect wires as shown in Fig 1.

## Wiring

- Connect the dimmer RED INPUT wire (the red wire with fuse holder) to your 12V ignition circuit.
- Connect the YELLOW OUTPUT wire to the 12V+ ACC input on the gauge you want to dim. **Make sure the dimmer output wire is the only wire connected to the gauge ACC connection.**
- Connect the BLACK dimmer wire to a good common ground.

Use 24 AWG stranded or heavier wire for installation. Secure wires firmly along their route.